Declassified in Part - Sanitized Copy Approved for Release 2012/09/12 : CIA-RDP78-03424A001400070034-4

Office Memorandum . UNITED STATES GOVERNMENT

TO : Chief, Engineering Division, OC

DATE: 5 February 1954

FROM:

Chief, Test & Evaluation Section

SUBJECT:

Status of Equipment,

25X1

1. During the month of September 1953, the following equipment

was delivered to

25X1

a. 23 ea. Recorder Assemblies consisting of:

46 ea. Recorders

46 ea. Power Supplies

46 ea. Recording Amplifiers

Accessories as follows:

l set tubes per each amplifier and recorder

l set cables per each recorder

l ea. capstan per each recorder

6 ea. mounting block per each recorder

l ea. package misc. hardware per each recorder

b. 23 ea. Rack Cabinet Assemblies consisting of:

l ea. 6 ft. rack w/doors

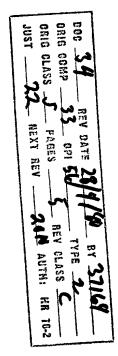
l ea. Outlet strip, mounted

2 ea. Cables, clamped in rack

l ea. Cable, coaxial, $24\frac{1}{2}$ " w/connectors

1 ea. Cable, coaxial, 44" w/connectors

l pkg. Miscellaneous hardware





CONFIDERMAL

SECRET

- c. 18 ea. Reproducer Assemblies consisting of:
 - 18 ea. Power Supplies
 - 18 ea. Reproducer Amplifiers
 - 18 ea. Foot Controls
 - 18 ea. Control Units
 - 18 ea. Filters (Hycor Model 4200)
 - 18 ea. Transport Units (Concertone)
 - 18 Boxes Cables #1, 2, 3, 4, 8, 9
 - 18 pkg. Miscellaneous hardware
 - 18 ea. Rack Cabinets, 42" w/rear doors
- d. 8 ea. Rewind Units
- e. 8 ea. Storage Cabinets
- f. Instruction manuals, preliminary, for recorder and reproducers.
- 2. The above mentioned equipment was delivered by Agency truck and accompanied by a shipping list prepared by the vendor and presented by the truck driver. There was no other record of delivery. The shipping list did not contain a contract number nor state the method of purchase by the Government. This Section instituted a search of the various channels for a purchase order number, but none was found. It was determined, however, that this was a partial delivery of a large order for equipment. No documents were available in the Receiving Unit until 20 January 1954, against which to credit the equipment or with which to check it.
- 3. The T&E Section was directed to test the equipment. These tests were begun, at which time it was noted that:
 - a. Installation instructions in the preliminary manuals

which accompanied equipment did not agree with the markings and performance of the equipment.

- It was impossible to duplicate the alignment of equipment and produce the frequency response curve called for in the manual.
- 4. The next significant development was that T&E Section was 25X1 directed to install one complete unit and await the representatives of the manufacturer. This installation was accomplished. T&E personnel assigned to this project waited two days for the manufacturer's representatives, but they failed to arrive. Accordingly, T&E personnel were recalled to await further developments.
 - 5. The following action was taken by the T&E Section:
- Formal report of discrepancies was sent to Chief, Engineering Division, for forwarding to proper authorities.
- Approximately three weeks later, T&E was notified that representatives of manufacturer would arrive at the warehouse to go over the equipment and determine whether or not it was functioning · 25X1 properly. arrived and began an inquiry as to the whereabouts of permanent instruction books. The instruction 25X1 books had been shipped on or about 15 July 1953. books were located by Engineering Division and turned over to the T&E Section to be included with the equipment. These instruction books revealed that the discrepancies which existed in the preliminary books had been corrected. However, cabling mistakes were still present.



SER! CONFIDENCIAL

A test of the recording amplifiers was begun and it was noted that distortion was present on the recording. It was therefore decided to take all of the recording amplifiers back to the manufacturer for 25X1 and three represent-The rework accomplished, 25X1 returned to the warehouse to reinspect the equipment. atives Mechanical difficulties were corrected and amplifiers were installed. 25X1 suggested that they would produce one amplifier curve for our consideration and if it met the curve as shown in the manual, they would assume that the balance were acceptable. Chief, T&E, advised that it would be necessary to run curves on at least five separate amplifiers and if these were acceptable, test recordings should be made on all units. This would be the basis for 25X1 our acceptance. This was agreed to by Accordingly, tests were begun, but it was noted that the recording amplifier bias voltage as adjusted at the factory failed to produce response curve as noted in the manual. Attempts were made to adjust this voltage to a standard level which would produce the aforementioned curve. This did not prove satisfactory, in that the characteristics of the recording heads varied. This variance would make it mandatory to individually set each amplifier for the recording with which it would be used. It would also be necessary to attach each amplifier to the specific recording head and interchangeability would be seriously hampered unless realignment was effected in each case.



SECRET CONFIDENCIAL

Declassified in Part - Sanitized Copy Approved for Release 2012/09/12 : CIA-RDP78-03424A001400070034-4

8. At this poi	nt, a meetin	g was held between		25X
			and it was	25 X
decided that	would	take one recordin	g head to the	25X
factory and determin	e whether or	not the character	istics would permit	;
the use of the respon	nse curve as	outlined in the m	anual. Two courses	
of action are open a	t this time:	r		
a. Modify:	response cur	ve in manual so th	at equipment will m	eet it.
b. Select:	recording he	ads, align amplifi	ers, and attach eac	:h
amplifier directly a	nd permanent.	ly to recording he	ad so that it wall	
meet existing curves				
9.		called Chief, T&E	, and informed that	25 X
representatives will	return to Wa	ashington on Wedne	sday, 10 February 1	954
and will modify curve	·		- 1	
	•	• •	s to recorders and	
align accordingly.				n
or amended. Further				
	-			•
	<i>→</i>			
				25X1
	- [· . ·		
HHM/1 1d	•			

Distribution:

1 - Courtesy

1 - C&ERB